GREENHOUSE MANAGEMENT WORKSHOP:
Root Zone Optimization
January 17 & 18, 2019
OARDC/OSU, 1680 Madison Ave., Wooster, Ohio

Thursday, January 17 from 8:30 am to 5:00 pm

General Session: Fundamentals:
Basics of Plant Nutrition, Uttara Samarakoon, OSU
Introduction to Root Zone Dynamics, Chieri Kubota, OSU
Substrate Basics, James Altland, USDA-ARS
How to Get the Most out of Your Fertigation System, Peter Ling, OSU

Concurrent Session 1: Hydroponics/Soilless Culture for Food Crops:
Root Zone Management for Leafy Greens, Chieri Kubota & Dan Gillepsie, OSU
Root Zone Management for High-Wire Crops, Mark Kroggel, OSU
Research Update on EC/pH Management for Lettuce, Uttara Samarakoon, OSU
Research Update on pH Management for Basil, Dan Gillepsie, OSU

Concurrent Session 2: Container Culture for Ornamentals
Root Zone Management for Annuals, Uttara Samarakoon, OSU
Crop-Specific Fertilizer Recommendations, Uttara Samarakoon, OSU
Irrigation Water and Substrate Chemistry in Container Cultures:
How do they affect plant nutrition? James Altland, USDA-ARS

Tour: Wooster Campus Research Facilities and Greenhouses

Friday, January 18 from 8:00 am to 5:00 pm

General Session: Biostimulants
Getting the Most from Composts: Nutrients, Humates, Microbes and More, Brian McSpadden Gardener, Sustane Natural Fertilizer, Inc.
Types and Benefits of Beneficial Microbe Products According Modes of Action, Matthew Krause, BioWorks, Inc.
Enhancing Plant Growth and Stress Tolerance Using Biostimulants, Michelle Jones, OSU
How to Evaluate Beneficial Microbes in Your Operation, Matthew Krause, BioWorks, Inc.
Microbiomes: Understanding and Optimizing to Control Pathogens, Chris Taylor, OSU

Tour: Commercial Greenhouse

Two options for attending:

⇒ In person: Attend all general sessions and tours and choose your concurrent session.
Continental breakfasts and lunches included. Registration for both days:
$125 before January 4, 2019 $150 after January 4, 2019

⇒ Webinar: Watch presentations online (general sessions and one concurrent session-TBD).
Registration for both days:
$75 before January 4, 2019 $90 after January 4, 2019
GREENHOUSE MANAGEMENT WORKSHOP: Root Zone Optimization

**Registration:** Register online or complete the form and send it with your check.

Name(s):  
Company:  
Street/City/Zip:  
E-mail:  Phone:  

--- **Attend in person.** Includes all sessions, tours, breakfast and lunch.

Registration **BEFORE** January 4, 2019. Number attending __ x $125 = $ __________

Registration **AFTER** January 4, 2019. Number attending __ x $150 = $ __________

--- **Attend via webinar.** Includes general session, 1 concurrent session (TBD).

Registration **BEFORE** January 4, 2019. Number attending __ x $75 = $ __________

Registration **AFTER** January 4, 2019. Number attending __ x $90 = $ __________

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**LODGING INFORMATION**

Lodging, other meals and travel expenses are the responsibility of each participant.

Accommodations located near OARDC:

- Best Western Wooster 330.264.7750
- Black Squirrel Inn B&B 330.317.6627
- Days Inn 330.439.5749
- Econo Lodge 330.264.8883
- Hampton Inn* 330.345.4424
  *Conference rate: $105/night. ‘Greenhouse Workshop’ rate good to 1/28. Breakfast included. ~5 miles

- Hilton Garden Inn** 330.202.7701
  **Conference rate: $122/night. ‘Greenhouse Workshop’ rate food to 1/26. Breakfast not included. <1 mile

- Market Street Inn 330.262.4085
- Mirabelle B&B 330.264.6006
- St. Paul Hotel 330.601.1900

**CONTINUING EDUCATION CREDITS**

Continuing education credits have been requested from the organizations below. Check back for approved hours.

⇒ Ohio Pesticide Credit Recertification
⇒ Michigan Pesticide Certification
⇒ Indiana State Chemist Certification
⇒ Pennsylvania Pesticide Recertification

**DIRECTIONS**

The education course will be held at the Fisher Auditorium on the OSU-OARDC Wooster campus located at 1680 Madison Avenue, Wooster, Ohio.

**DIRECTIONS and CAMPUS MAP:**
wooster.osu.edu/visit-us

**QUESTIONS?**

Contact:

Dr. Peter Ling  
*Food, Agricultural and Biological Engineering Dept.*  
e-mail | ling.23@osu.edu  
phone | 330.263.3857  
fabe.osu.edu/greenhouse